

**"A MAN OF
FEW WORDS
AND FEWER
MINUTES—THAT'S
MY DOCTOR!"**



H E BALKS more than ever these days at doing things the hard way, the wordy way, the long way.

"That's one reason he made a point of looking into S-M-A. And then put me on it so enthusiastically.

"He welcomed a sound formula that freed him from repeated juggling and re-calculations with milk, carbohydrate, water. It was a help to find that he could explain to a mother or nurse in just two minutes how to mix and feed S-M-A*.

"But, best of all, he feels certain that he is prescribing an infant food that closely resembles breast milk in digestibility and nutritional completeness!"

"Is he *happy* today about what S-M-A has done for me! I can tell, whenever he checks me over. And is Mommy happy, too! And am I!"

"I can tell you—**EVERYBODY'S** happy if it's an S-M-A baby!"

**One S-M-A measuring cup powder to one ounce water.*

S-M-A is derived from tuberculin-tested cow's milk, the fat of which is replaced by animal and vegetable fats, including biologically tested cod liver oil, with milk sugar and potassium chloride added, altogether forming an anti-rachitic food. When diluted according to directions, S-M-A is essentially similar to human milk in percentages of protein, fat, carbohydrate, ash, in chemical constants of fat and physical properties. A nutritional product of the S.M.A. Corporation, Chicago, Division WYETH Incorporated.

Everybody's **HAPPY IF IT'S AN**  **BABY!**

REG. U. S. PAT. OFF.

ANATOMY OF PREGNANCY



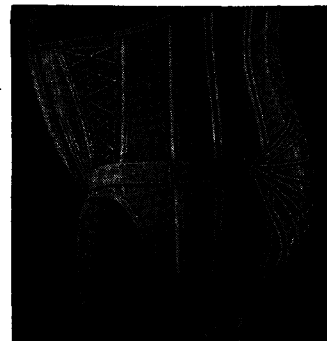
Seven Lunar Months

One of a series of life-size sculptured models made for S. H. Camp and Company by Charlotte S. Holt.

Beginning tension on recti muscles. Uterine fundus 5.5 cm. above umbilicus. Cephalic presentation determined. Visceral displacement (upward and lateral). Lumbar and dorsal curves increased. Relaxation of sacroiliac and pubic joints.

THE effectiveness of Camp prenatal supports arises from the fact that the pelvis (the base of the body) can be fitted evenly and accurately and to the desired degree of firmness.

Such a foundation about the pelvis provides for prime assistance in holding the uterus in better position, thus not only conserving the abdominal muscles and fasciae, but also helping in balancing the spine; no constriction of the body at any point; protection of the relaxed pelvic joints is assured; ample support of the lumbar spine afforded.



Camp Prenatal Supports are moderately priced and easily adjusted by the Camp Patented Adjustment feature.

CAMP

ANATOMICAL SUPPORTS

S. H. CAMP & COMPANY • Jackson, Mich. • *World's Largest Manufacturers of Scientific Supports*

Offices in CHICAGO • NEW YORK • WINDSOR, ONTARIO • LONDON, ENGLAND

Alphabetical List of ADVERTISERS

Acme Breweries	38
Acousticon Institute	26
Adams Springs	26
Alexander Sanatorium, Inc., The	20
Alum Rock Sanatorium	22
Baker Laboratories, The	27
Baxter, Inc., Don	29
Bilhuber-Knoll Corp.	14
Bolln, M. D., Zera E., Pathologist	10
Borden Company, The	33
Broemmel's Pharmaceuticals	3
Burroughs Wellcome & Co.	16 and 17
California Sanatorium, The	10
Calso Company, The	34
Camp & Company, S. H.	1
Canada Dry Ginger Ale, Inc.	34
Cheplin Biological Laboratories, Inc.	11
Classified Advertisements	12
Coca-Cola Company, The	30
Colfax School for the Tuberculous	8
Compton Sanitarium and Las Campanas Hos- pital	6
Cook County Graduate School of Medicine	28
Crocker First National Bank	6
Cutter Laboratories	4th Cover
Doctors Business Bureau, The	43
French Hospital	5
Garden Grove Sanitarium	14
Greens' Eye Hospital	7
Hittenberger Co., C. H.	5
Hygeia Sanatorium	10
Ingram Laboratories, Inc.	22
International Vitamin Corporation	35
King Ambulance Company	12
La Loma Feliz	12
Las Encinas Sanitarium	43
Lederle Laboratories, Inc.	9
Lilly and Company, Eli	24
Livermore Sanitarium	18
Los Angeles Tumor Institute	28
M & R Dietetic Laboratories, Inc.	21
Mead Johnson & Company	19
Medical Protective Company, The	18
Menninger Clinic, The	40
Nestle's Milk Products, Inc.	32
New York Polyclinic Medical School and Hos- pital, The	40
Officers of the California Medical Associa- tion	2, 4, 6
Ortho Products, Inc.	44
Owl Drug Co., The	42
Park Sanitarium	40
Parke, Davis & Company	15
Philip Morris & Company, Ltd., Inc.	3rd Cover
Physicians Casualty Association and Physi- cians Health Association	38
Pottenger Sanatorium and Clinic, The	28
Reynolds, R. J., Tobacco Co.	23
Riedel-de Haen, Inc.	3
Riggs Optical Company	36
Saint Francis Hospital	36
St. Luke's Hospital	18
Schmid, Julius, Inc.	41
Servex, Inc.	42
S. M. A. Corporation	2nd Cover
Spencer Corset Company, The	32
Squibb & Sons, E. R.	37
Stacey, J. W., Inc.	7
Stearns, Frederick & Company	13
Stuart Oxygen Co.	30
Twin Pines	12
Upjohn Company, The	25
White Laboratories, Inc.	31
Wilson Laboratories, The	20
Wine Advisory Board	26
Winthrop Chemical Company, Inc.	39

Colfax School for the Tuberculous

COLFAX, CALIFORNIA

◀ There are two units, The Colfax Hospital and the Bushnell Sanatorium, for the treatment of Pulmonary Tuberculosis.

The Colfax School for the Tuberculous is located in the pine clad Sierra Nevada foothills, at an elevation of 2,400 feet; an elevation free from the fogs of the valleys and free from extremes of heat or cold.

This Institution supplies, among other advantages:

1. Individual care and supervision under skilled physicians.
2. Education as to essentials of recovery from, and the prevention of the spread of, disease.
3. Complete laboratory and x-ray equipment.
4. Every proved method of treatment, including pneumothorax and phrenic nerve interruption. (Major thoracic surgery referred to skilled thoracic surgeons.)
5. An absence of institutional atmosphere.
6. Reasonable rates.

* * *

For further information
write

ROBERT A. PEERS, M. D.

Medical Director

COLFAX, CALIFORNIA

* * *

F. LYNN SMITH, M. D.

Consultant in General Medicine

F. HARRY BENTEEN, M. D.

Consultant in General Surgery

EMILE HOLMAN, M. D.

(Stanford Hospital), Consultant, Thoracic Surgery

*Are you finding more Tuberculosis
in your practice?*

TUBERCULIN PATCH TEST

(Vollmer)

Lederle

You should discover tuberculosis more easily today because intensified search is uncovering the existence of early cases with increasing frequency.

Among the procedures for detecting early tuberculosis Tuberculin Patch Test (Vollmer), *Lederle* occupies an important place, together with the X-ray and the Mantoux Test.

The Patch Test has achieved recognition because of its—

- Simplicity of application:
- Reliability:
- Ready acceptance by both children and adults.

Make a habit of using the Patch Test in all physical examinations! Send for samples and literature.

*Specify
Lederle*

PACKAGES:
1, 10 and 100 tests.

LEDERLE LABORATORIES, INC.

San Francisco: 274 Brannan Street

Los Angeles: 643 S. Olive Street

Lederle Laboratories Depot: 714 S. W. 12th Ave., Portland, Oregon

[A UNIT OF AMERICAN CYANAMID COMPANY]



Sodium Morrhuate

Obliterative treatment of varicose veins with CHEPLIN'S SODIUM MORRHUATE is well established clinically — acting rapidly, effectively and safely. This modern

sclerosing solution is practically painless, causes no bruising and rarely produces necrosis if accidentally injected outside the vein. Literature on request.



**SODIUM MORRHUATE is supplied as
5% solution in:**

2 cc. ampules . . .	in boxes of 12, 25 & 100
5 cc. ampules . . .	in boxes of 6, 25 & 100
30 cc. vials	single or in boxes of 12

**"ACCEPTED
STANDARDS AT
AN ACCEPTABLE COST"**

CHEPLIN BIOLOGICAL LABORATORIES, INC.

(Division of Bristol-Myers)

Syracuse, New York

CLASSIFIED ADVERTISEMENTS

Rates for these insertions are \$4 for fifty words or less; additional words 5 cents each
Copy for classified advertisements should be received not later than the fifteenth of the month preceding issue.

HOSPITAL ADMINISTRATOR. BEYOND PRESENT DRAFT AGE, now employed, wishes position as business manager for partnership clinic or hospital, preferably on Coast. Seventeen years' experience in hospital and clinic management. Familiar with Hospital Insurance Plans. Well qualified in accounting, collections, and tax work. Can furnish best references. D. L. Mills, 719 McKinley Avenue, Kellogg, Idaho.

WANTED—GENERAL DUTY NURSES. Eight-hour duty on staff of hospital associated with University. Salary \$155 to \$170 monthly. Residence available. Box 8090, California and Western Medicine.

Army-Navy "E" for Dried Blood Plasma Production.—Sharp & Dohme, originators of the process by which dried blood plasma is made, and sole manufacturers of the first nine months' supply of this vital material for the United States armed services, were awarded the Production Army-Navy "E" for the second time on Saturday, October 16.

In a letter to the workers at the Philadelphia plant and Glenolden laboratories of Sharp & Dohme, Robert P. Patterson, Under-Secretary of War, stated: "You have continued to maintain the high standards that you set for yourselves six months ago. . . . The White Star, which the renewal adds to your Army-Navy Production Award flag, is the symbol of appreciation from our armed forces for your continued and determined effort and patriotism."

Plasma, surgery and sulfa drugs have been officially credited, in that order, with the spectacular reduction of mortality among our wounded in this war. During the North African campaign, 97 per cent of our wounded survived, while during the First World War only 82 per cent recovered.

Plasma, of course, is merely one of the many Sharp & Dohme products being provided the armed forces. The

SISTER KENNY'S NEW BOOK ON INFANTILE PARALYSIS, full description of the technique and reports of cases, by Doctor Pohl and Sister Kenny. Illustrated. \$5.00 postpaid.

UROLOGY IN GENERAL PRACTICE, by Ockerblad and Carlson. Practical book for practitioners, who now must treat the everyday G-U cases. \$4.00. Fassett Medical Book Bureau, Carrolands, Burlingame, California. We supply any book or magazine.

DERMATOLOGIST, SYPHILOLOGIST, military ineligible, desires to take over practice, rent or share space in furnished, equipped office or other organized set-up suitable for developing good skin practice; will consider association with established dermatologist, medical school group, industrial dermatology, syphilis position. American-born Gentile. California license. Good opening anywhere. Address Box 9040, California and Western Medicine.

Company processes large quantities of normal serum albumin. It produces a substantial percentage of all Sulfadiazine Tablets used by the Army and Navy. It produces, too, quantities of morphine sulfate tablets, vaccines, serums, toxoids, ointments, and many other pharmaceutical and biological products.

The School-Child's Breakfast.—Many a child is scolded for dullness when he should be treated for undernourishment. In hundreds of homes a "continental" breakfast of a roll and coffee is the rule. If, day after day, a child breaks the night's fast of twelve hours on this scant fare, small wonder that he is listless, nervous, or stupid at school. A happy solution to the problem is Pabulum, processed by Mead Johnson & Company, Evansville, Ind.

Let us be warned that tuberculosis still shows no sign of adopting the forty-hour week.—Charles E. Lyght, M. D., *American Review of Tuberculosis*, September, 1942.

Belmont, California

Phone Belmont 111

TWIN PINES

Individual care, modern treatment, and pleasant atmosphere . . . for nervous cases and borderline mental illness.

Consulting Staff

Buford Hargus, M. D., Medical Director

KING AMBULANCE COMPANY

Transporting the Sick since 1906

2570 Bush Street
SAN FRANCISCO

West 1400

Physicians' and Surgeons'
Telephone Exchange
Nurses' Bureau

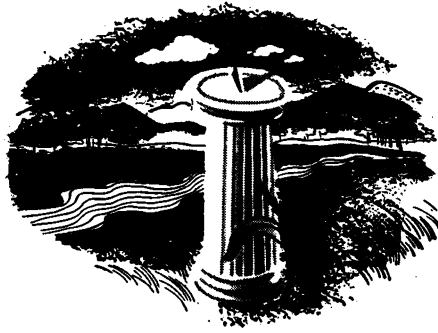
La Loma Feliz

SANTA BARBARA • CALIFORNIA

Residential school, Kindergarten through College Preparatory, for boys and girls handicapped by heart disease, asthma, and kindred ailments.

INA M. RICHTER, M. D., Medical Director

JOHN A. ROBINSON, Senior Master



Hours of Serene Comfort

Notably prolonged action is an outstanding characteristic of this widely prescribed nasal decongestant.

Distinguished also for exceptionally fast vasoconstriction . . . repeated effectiveness . . . freedom from appreciable adverse psychic or cardiac effects . . . no appreciable damage to cilia.

Neo-Synephrine

HYDROCHLORIDE

LAevo • α • HYDROXY • β • METHYLAMINO • 3 • HYDROXY • ETHYLBENZENE HYDROCHLORIDE



Available in a $\frac{1}{4}\%$ or 1% solution in 1-oz. bottles for dropper or spray; and as a $\frac{1}{2}\%$ jelly in collapsible tube with applicator.

Frederick Stearns & Company

DETROIT, MICHIGAN

NEW YORK KANSAS CITY SAN FRANCISCO WINDSOR, ONTARIO SYDNEY, AUSTRALIA AUCKLAND, NEW ZEALAND



At Your Service

MAPHARSEN

When arsphenamines are taken into the body, it is believed that approximately one-tenth of the amount administered is converted into arsenoxide. To this oxidized product, rather than to arsphenamines themselves, investigators attribute the spirocheticidal action of these drugs. MAPHARSEN* is meta-amino-para-hydroxyphenyl arsine oxide (arsenoxide) hydrochloride which offers an effective anti-syphilitic therapy . . . a form that causes rapid disappearance of spirochetes and prompt healing of lesions . . . and one that has facilitated development of the highly-effective, modern types of anti-syphilitic treatment.

*Trade-mark Reg. U. S. Pat. Off.

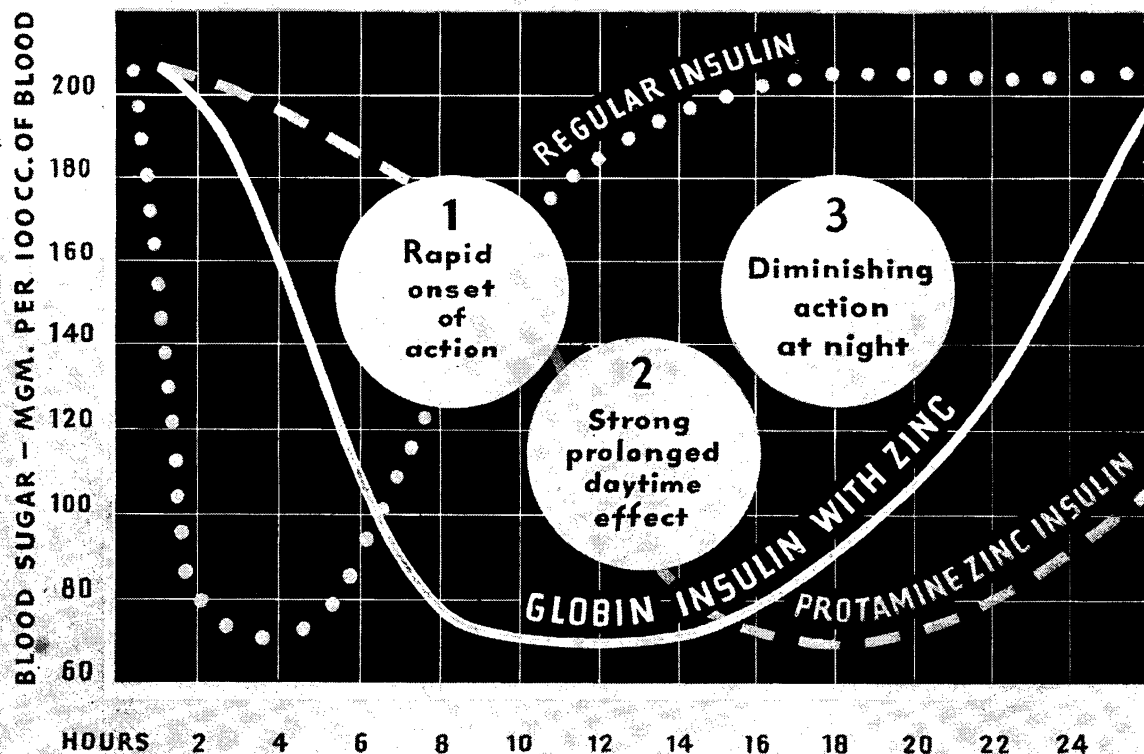
You can now readily obtain supplies of Mapharsen Ampoules for use in your practice. Increased manufacturing facilities have made it possible for us to materially increase our output, and to maintain more adequate supplies in drug stores throughout the country.



Parke, Davis & Company

Accepted

An advance in diabetic control



Insulin action conforming to patients' needs

The above diagram shows the effects of comparable doses of various insulins on the blood sugar level of a *fasting* diabetic patient. Note the *intermediate* type of action of globin insulin as compared with regular insulin and protamine zinc insulin.



'WELLCOME' GLOBIN INSULIN WITH ZINC

REG. U. S. PAT. OFF. 2,161,198

★ With 'Wellcome' Globin Insulin (with Zinc), *a single injection* daily has been found to control many moderately severe and severe cases of diabetes. This new type of insulin is designed to meet patients' needs by providing rapid onset of action; strong, prolonged effect during the day (when most needed); and diminishing action during the night (hence nocturnal insulin reactions are rarely encountered.)

'Wellcome' Globin Insulin (with Zinc) is *a clear solution* and is comparable to regular insulin in its freedom from allergic skin reactions.

'Wellcome' Globin Insulin (with Zinc) was developed in the Wellcome Research Laboratories, Tuckahoe, New York.

'Wellcome' Trademark Registered

'WELLCOME'
GLOBIN INSULIN
WITH ZINC

Viols of 10 cc.

80 units in 1 cc.



BURROUGHS WELLCOME & CO. (USA) INC.

9-11 East 41st Street, New York 17, N. Y.

Literature on request

LIVERMORE SANITARIUM



● The Hydropathic Department devoted to the treatment of general diseases, excluding surgical and acute infectious cases. Special attention given functional and organic nervous diseases. A well equipped clinical laboratory and modern X-ray Department are in use for diagnosis.

● The Cottage Department (for mental patients) has its own facilities for hydropathic and other treatments. It consists of small cottages with homelike surroundings, permitting the segregation of patients in accordance with the type of psychosis. Also bungalows for individual patients, offering the highest class of accommodations with privacy and comfort.

GENERAL FEATURES

1. Climatic advantages not excelled in United States. Beautiful grounds and attractive surrounding country.
2. Indoor and outdoor gymnastics under the charge of an athletic director. An excellent Occupational Department.
3. A resident medical staff. A large and well-trained nursing staff so that each patient is given careful individual attention.

Information and circulars upon request

Address: CLIFFORD W. MACK, M. D.
Medical Director
LIVERMORE, CALIFORNIA
Telephone 313

CITY OFFICES:

SAN FRANCISCO	OAKLAND
450 Sutter Street	1624 Franklin Street
DOUGLAS 3824	GLENCOURT 5989

PROFESSIONAL PROTECTION



In addition to our Professional Liability Policy for private practice, we issue a special
MILITARY POLICY
to the profession in the Armed Forces at a
Reduced Premium

THE

MEDICAL PROTECTIVE COMPANY

FORT WAYNE, INDIANA

St. Luke's Hospital

SAN FRANCISCO

EXECUTIVE COMMITTEE

HAROLD P. HILL, M. D., *Chairman*
ALANSON WEEKS, M. D.
WILLIAM G. MOORE, M. D.
GEORGE D. LYMAN, M. D.
HOWARD H. JOHNSON, M. D., *Medical Director*
KENNETH MONTEAGLE, *President*

A limited General Hospital of 200 beds admitting all classes of patients except those suffering from communicable or mental diseases. Organized in 1871, and operated by a Board of Directors, under the direction and supervision of the Executive Committee of the Medical Staff.

Fully approved by the American College of Surgeons and the American Medical Association for Resident and Intern Training.

SHOULD VITAMIN D BE GIVEN ONLY TO INFANTS?

VITAMIN D has been so successful in preventing rickets during infancy that there has been little emphasis on continuing its use after the second year.

But now a careful histologic study has been made which reveals a startlingly high incidence of rickets in children 2 to 14 years old. Follis, Jackson, Eliot, and Park* report that postmortem examination of 230 children of this age group showed the total prevalence of rickets to be 46.5%.

Rachitic changes were present as late as the fourteenth year, and the incidence was higher among children dying from acute disease than in those dying of chronic disease.

The authors conclude, "We doubt if slight degrees of rickets, such as we found in many of our children, interfere with health and development, but our studies as a whole afford reason to prolong administration of vitamin D to the age limit of our study, the fourteenth year, and especially indicate the necessity to suspect and to take the necessary measures to guard against rickets in sick children."

*R. H. Follis, D. Jackson, M. M. Eliot, and E. A. Park: Prevalence of rickets in children between two and fourteen years of age, *Am. J. Dis. Child.* 66:1-11, July 1943.

MEAD'S Oleum Percomorphum With Other Fish-Liver Oils and Viosterol is a potent source of vitamins A and D, which is well taken by older children because it can be given in small dosage or capsule form. This ease of administration favors continued year-round use, including periods of illness.

MEAD'S Oleum Percomorphum furnishes 60,000 vitamin A units and 8,500 vitamin D units per gram. Supplied in 10- and 50-cc. bottles and boxes of 48 and 192 capsules. Ethically marketed.

MEAD JOHNSON & COMPANY, Evansville 21, Ind., U.S.A.



SIMILAC approximates breast milk in all essential respects including its mineral balance, and gives uniformly good results. It is conveniently prepared. *One* level tablespoon of the Similac powder added to each *two* ounces of water makes two fluid ounces of Similac.



A powdered, modified milk product especially prepared for infant feeding, made from tuberculin tested cow's milk (casein modified) from which part of the butterfat is removed and to which has been added lactose, olive oil, coconut oil, corn oil, and fish liver oil concentrate.

SIMILAC } SIMILAR TO
BREAST MILK
M & R DIETETIC LABORATORIES, Inc., COLUMBUS 16, OHIO



Sleep?..

WHAT'S THAT?



*Now—a delicate brain job... then another... and another... to the tune of mortar fire... blast... shock! Steady... steady—easy now. "O. K.... clear the table! Next!" Operating... treating... night and day... Two hours sleep in seventy-two!**

• • •

Yet that's just a side glance into a war doctor's life. When does he relax? Seldom, but that's when he's eager for a cheering smoke. Camel his likely choice—the fighting man's favorite**—for mildness, sheer good taste.

Friends, relatives in service? Remember them often—with a carton of Camels—the gift of gifts for service men!

**From actual experiences of U. S. doctors in war.*



1st in the Service

****With men in the Army, Navy, Marine Corps, and Coast Guard, the favorite cigarette is Camel. (Based on actual sales records.)**

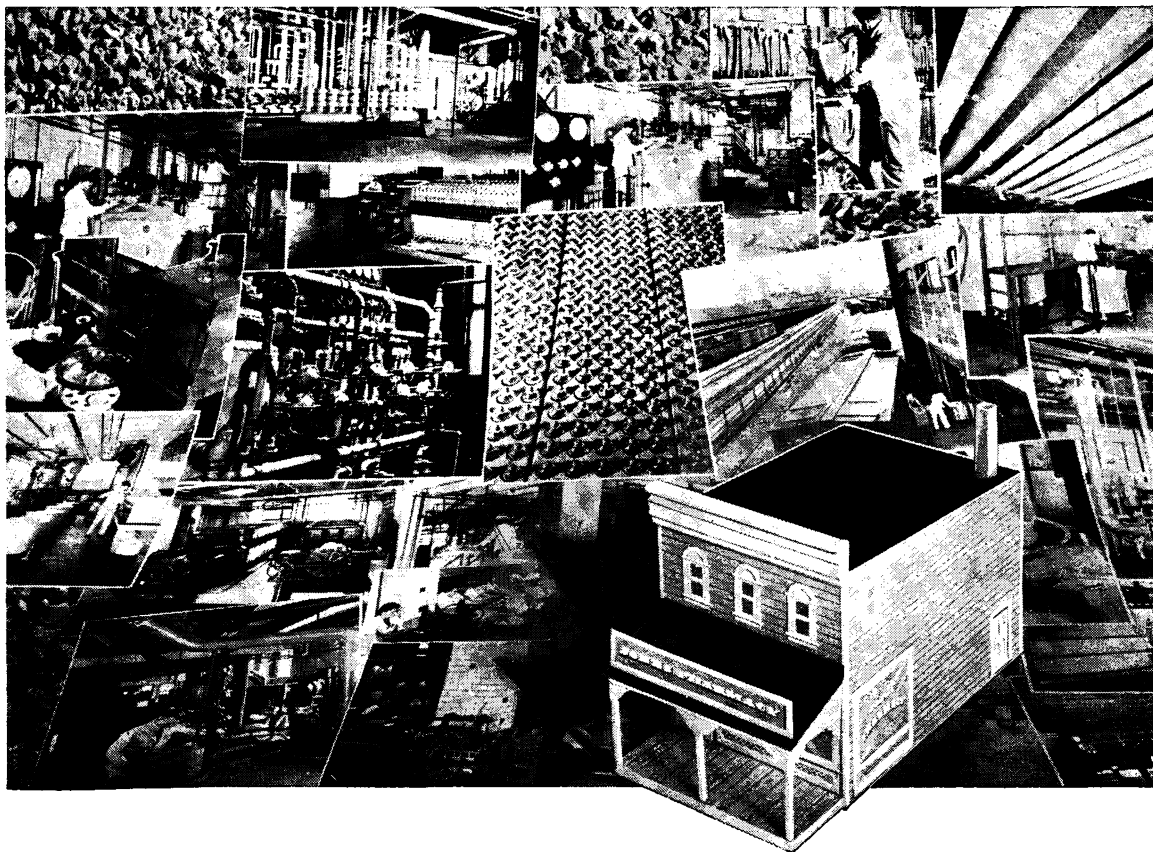
Camel

costlier tobaccos—



New reprint available on cigarette research—Archives of Otolaryngology, March, 1943, pp. 404-410. Camel Cigarettes, Medical Relations Division, One Pershing Square, New York 17, N. Y.

Advertisers in your OFFICIAL JOURNAL will appreciate requests for literature



WILLIAM JONES, PH.G.

WHEN THE DOORS of the Jones Pharmacy opened for business many years ago, young Mr. Jones, then just out of pharmacy school, had some definite ideas about the manner in which a prescription department should be conducted. He knew all about fresh crude drugs, and he could triturate, macerate, and percolate with the best of them. He provided sparkling glassware, and his finished prescriptions were things of beauty. He operated very successfully and the doctors liked to have him do their compounding.

Things have changed since that day when Mr. Jones opened his store. For example, along about 1923 quite a commotion was raised over something called Insulin, discovered by a couple of fellows up north. Mr. Jones immediately established an Insulin department. He was quick to realize, however, that the tons of equipment required for grinding pancreas glands and proc-

essing them through a complicated series of extractions, concentrations, and purifications had no place in his store. Mr. Jones's Insulin is manufactured in Indianapolis, miles and miles away.

The production and standardization of Iletin (Insulin, Lilly) in its various strengths and modifications is but one of the many contributions Eli Lilly and Company has made toward the improvement of Pharmacist Jones's service to the medical profession.



BUY WAR BONDS

Lilly

ELI LILLY AND COMPANY • INDIANAPOLIS 6, INDIANA, U. S. A.



One cold after another

Adrenal cortical insufficiency notoriously lowers resistance and increases susceptibility to infections. The patient with asthenia and weakness, low resistance and low muscle tone, due to cortical insufficiency, may also complain that common respiratory infections persist and recur.

Prompt treatment of the cortical insufficiency with **Adrenal Cortex Extract (Upjohn)** may speed recovery and lower the frequency of recurrence of infections.

The whole cortical hormone is a complex of more than twenty active principles. These are unduplicated to date by any synthetic substance. A *natural* complex such as Adrenal Cortex Extract (Upjohn) remains the most effective treatment for cortical insufficiency.

Adrenal Cortex Extract (Upjohn)

Sterile solution in 10 cc. rubber-capped vials for subcutaneous, intramuscular and intravenous therapy



ANOTHER WAY TO SAVE LIVES . . . BUY WAR BONDS FOR VICTORY

For Acidity and Allied Conditions, we suggest ADAMS SPRINGS MINERAL WATER



● MANY physicians recommend the water in conjunction with the treatment of stomach, liver and kidney trouble.

ADAMS MINERAL SPRINGS is one of the seven known iron and manganese bi-carbonate springs in the world, and the only one in Western America.

It is not a cure-all, but it overcomes acid excesses in the body, and is a very mild but wonderfully effective eliminator. The bowels function without spasm, the kidney output is greatly increased, and there is marked drainage of bile from the gall bladder and liver.

There is also some constitutional upset for a few days, particularly in gall bladder cases. But this is soon over and your patient begins to show improvement and is now in condition to profit by any medication you may prescribe. If the case is an operative one, you have improved your patient and made of him a better risk.

We will be pleased to cooperate in any way whatever, and samples of water are yours for the asking.

A Natural Mineral Water SHOWING MAIN CONSTITUENTS

By PROF. SYDNEY A. TIBBETTS, Berkeley

MANGANESE	1.3 parts per million
IRON	12.5 parts per million
CALCIUM	173.3 parts per million
MAGNESIA	339.3 parts per million
SODIUM	365.0 parts per million
SILICA	93.0 parts per million
CHLORINE	38.3 parts per million
SULPHATE	16.1 parts per million
NITRATE	0 parts per million
PHOSPHATE	7 parts per million
CARBONATE	1551.4 parts per million
TOTAL	2591.4 parts per million

For further information write CLARENCE B. PRATHER, Manager . . . Adams Springs, Lake County, California.

Modern hotel,
open all
year around.

3,000 feet up
in the Lake
County Pines.
(Since 1870)



GOVERNMENT ATTACKS DEAFNESS

Important discoveries make possible the greatest help ever offered the hard of hearing.

Write for New Free Booklet About These Latest Government Findings.

ACOUSTICON INSTITUTE

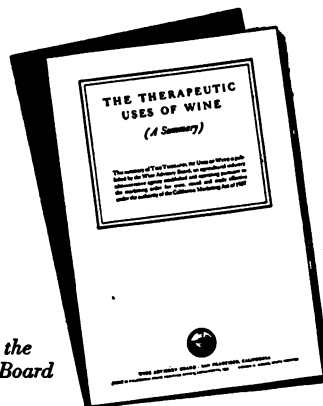
In All Principal Cities

457 POWELL STREET
SAN FRANCISCO

720-725 FOREMAN BLDG.
LOS ANGELES, CALIF.

FACTS DOCTORS SHOULD HAVE ON

WINE IN THE DIET



Published by the
Wine Advisory Board

DISCUSSIONS of wine's historical uses . . . the caloric content of wine . . . its dextrose and levulose content . . . its vitamin and mineral constituents . . . the assimilability of the ferrous iron in wine . . . etc. . . form one of the chapters of *The Therapeutic Uses of Wine (a Summary)*. This review in monograph form has been prepared by competent medical authorities. It should be of interest to specialists in many fields as well as to the general practitioner.

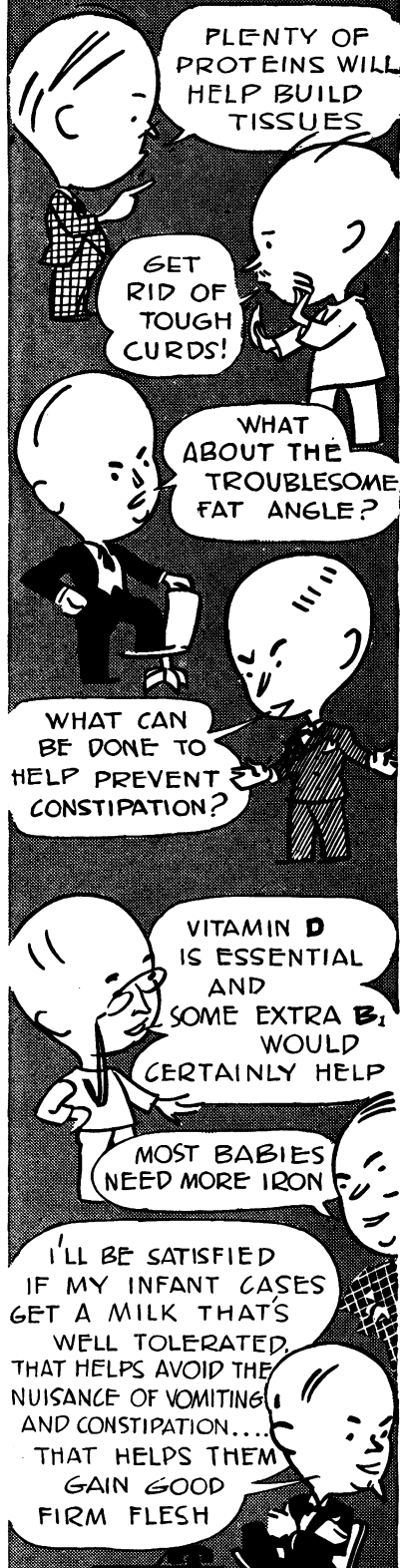
THE CONTENTS INCLUDE: Sections on the actions of wine on the gastro-intestinal system, the cardio-vascular system, the kidneys and urinary passages, the nervous system and the muscles, and the respiratory system. The uses of wine in diabetes mellitus, in acute infectious diseases and in treatment of the aged and the convalescent. The value of wine as a vehicle for medication. The contraindications to the use of wine. And an extensive bibliography for those who may wish to pursue the subject further.

This review results from a study supported by the Wine Advisory Board, an agricultural industry administrative agency established under the California Marketing Act, and has been sponsored by the Society of Medical Friends of Wine.

A copy of *The Therapeutic Uses of Wine* is available on request to any member of the medical profession. Write for it, to the Wine Advisory Board, 85 Second Street, San Francisco 5, California.



WE LISTENED TO THE VOICE OF
MEDICAL EXPERIENCE, THEN MADE



Baker's Modified Milk

"biologically similar to breast milk"

ALL we have learned from our doctor friends about nutritional needs of the bottle-fed baby... about digestive tolerance and elimination... about muscle tone and tissue turgor... all this we took into the laboratory and utilized in the making of Baker's Modified Milk.

With such a background, Baker's is well-equipped to help you produce that happy end-result—the well-nourished baby. . . . It is, in short, *"biologically similar to breast milk."*

Fortified with seven extra dietary essentials—a liberal supply of protein (40 per cent more than breast milk), complementary gelatin, an adjusted fat, two added sugars, 400 units of vitamin D per quart, extra vitamin B-1, and iron... well tolerated by newborns and pre-matures... helpful in correcting regurgitation, loose or too frequent stools... well supplied with the nutritive elements necessary for proper growth. This, doctor, is Baker's Modified Milk, made to the specifications of our friends in the medical profession.

May we send you full information about it?

A POWDER AND LIQUID MODIFIED MILK PRODUCT

especially prepared for infant feeding. Made from tuberculin-tested cows' milk in which most of the fat has been replaced by animal, vegetable and cod liver oils, together with lactose, dextrose, gelatin, Vitamin B com-

plex (wheat germ extract, fortified with thiamin), and iron ammonium citrate, U.S.P. Not less than 400 units of vitamin D per quart. Four times as much iron as in cows' milk.



THE BAKER LABORATORIES + CLEVELAND, OHIO

West Coast Office: 1250 Sansome Street, San Francisco



TRINIDEX

*A Sterile, Pyrogen-Free
Solution of*

5% DEXTROSE IN NORMAL SALINE

Fortified with

**NICOTINAMIDE, RIBOFLAVIN AND
THIAMINE HYDROCHLORIDE**

Ready To Use

In 1000 cc. Light-Protected

BAXTER VACOLITER

ADVANTAGES OF TRINIDEX:

FORMULA

Dextrose, U.S.P.....	50 Gm.
Sodium Chloride, U.S.P.....	9 Gm.
Nicotinamide, U.S.P.....	30 mg.
Riboflavin, U.S.P.....	6 mg.
Thiamine Hydrochloride, U.S.P.....	3 mg.

Note that in Trinidex Solution the ratio of thiamine, riboflavin and nicotinamide is 1:2:10, which is the ratio suggested by the Council on Pharmacy and Chemistry of the American Medical Association for the oral use of these vitamins.

PACKAGE

Because riboflavin is rapidly decomposed in light, the Vacoliter containing Trinidex is specially coated with a *transparent* film which filters out the damaging rays. Unlike opaque lacquer coatings, this transparent film permits practical visibility of the solution within the container. The transparent coating is distinctly more effective than a paper carton for protecting riboflavin. When the paper carton is removed from the container, the riboflavin is exposed to light during administration of the solution.

Complete literature upon request

PRODUCT OF

DON BAXTER, INC.

RESEARCH AND PRODUCTION LABORATORIES

1015 GRANDVIEW AVENUE

GLENDAL, CALIFORNIA

DISTRIBUTORS:

The C. A. Bischoff Surgical Co. *Oakland*
The Denver Fire Clay Co. . *Denver-Salt Lake City-El Paso*
Great Falls Drug Co. *Great Falls*
McKesson & Robbins *Billings*
Missoula Drug Company *Missoula*

Ohio Chemical & Manufacturing Co. *San Francisco*
Shaw Supply Co., Inc. *Tacoma-Seattle*
Shaw Surgical Co. *Portland*
Southwestern Surgical Supply Co. *Phoenix*
Spokane Surgical Supply Company *Spokane*

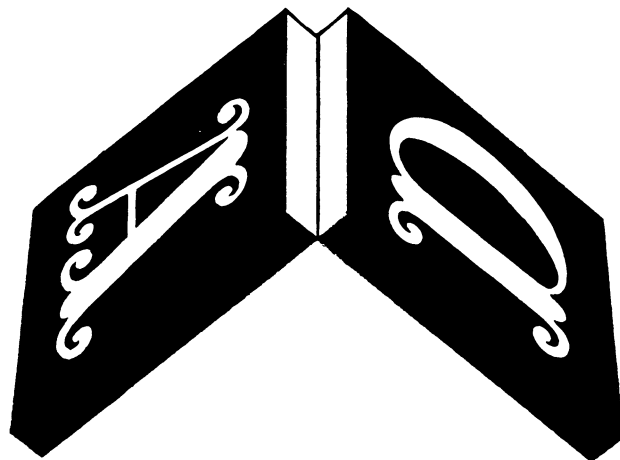
Quality carries on



Drink
Coca-Cola
Delicious and Refreshing

You can depend on us for the highest standard of day-and-night service in giving your patients the benefits of Oxygen Therapy *in time*. For immediate and complete attention, just telephone our nearest plant.

Stuart Oxygen Co.
SAN FRANCISCO · PORTLAND · TACOMA · OAKLAND · LOS ANGELES
Manufacturers of a Complete Line of Medical Gases



THE NATURAL VITAMINS OF COD LIVER OIL

WHITE'S Cod Liver Oil Concentrate presents the natural vitamins A and D derived only from cod liver oil itself—in the proportions found in U.S.P. cod liver oil.

Free from excess fatty oils and bulk, it provides three pleasant, simple dosage forms for prescribing the A and D vitamins of cod liver oil for your various patients—infants, growing children, adults:

LIQUID—for drop dosage to infants.

TABLETS—pleasantly flavored—

children may chew them.

CAPSULES—for larger dosage.

Economical—In contrast to the high current retail cost of plain cod liver oil, White's Cod Liver Oil Concentrate provides potency at an economical price. Prophylactic anti-rachitic dosage for infants costs less than 1¢ a day.

Ethically promoted—not advertised to the laity. White Laboratories, Inc., Pharmaceutical Manufacturers, Newark 7, New Jersey.



WHITE'S COD LIVER OIL CONCENTRATE...

► LIQUID
► TABLETS
► CAPSULES

White's PRESCRIPTION *vitamins*



Nestlé's Milk Products
world's first choice
for babies!



No feeding directions furnished to the laity

PRENATAL VARICOSITIES **And Foot Discomfort** **May Be Lessened by a** **SPENCER SUPPORT**



Scientific Abdominal Support Plus Posture-Improvement May Also Lessen Chance Of Development Of . . .

TOXEMIA

EDEMA

PTOSIS

NAUSEA

Non-pathological

HEMORRHOIDS

SACROILIAC

And Other Back Sprains

HARMFUL POSTURE

At left: Light, flexible Spencer Maternity Support. Side-lacers easily widened as figure enlarges. Supports lower abdomen—elastic inserts permit freedom at upper abdomen. Improves posture.

Since each Spencer Support is individually designed, cut and made to meet the specific needs of the one patient who is to wear it, it is remarkably more effective than a ready-made support—and far more comfortable and durable. Individual designing also makes possible our *guarantee* that a Spencer will never lose its shape, thus providing continuous support and posture-improvement.

The Spencer Corsetiere not only delivers the completed garment and adjusts it properly on patient, but keeps in touch with the patient, thus saving the doctor time and bother.

Spencers are never sold in stores. For a Spencer Specialist, look in telephone book under "Spencer Corsetiere" or write direct to us.

SPENCER *INDIVIDUALLY DESIGNED*
Abdominal, Back and Breast Supports

SPENCER INCORPORATED,
 137 Derby Ave., New Haven 7, Conn.
 In Canada: Rock Island, Quebec.
 In England: Spencer (Banbury) Ltd., Banbury, Oxon.

Please send me booklet, "How Spencer Supports Aid the Doctor's Treatment."

*May We
 Send You
 Booklet?*

.....M. D.

Address P-2

Important Wartime change in Biolac!

Borden's complete infant formula

To conserve vital tin, we are now packaging Biolac in 13-fl.-oz. cans instead of the former 16-fl.-oz. size. The new Biolac is more highly concentrated but the new smaller can contains identically the same food values.

Now each fl. oz. of Biolac should be diluted with 1½ fl. ozs. of water and not 1 fl. oz. as formerly.

Briefly, the situation on Biolac is this...

When it became necessary to package Biolac in 13-fl.-oz. instead of 16-fl.-oz. tins, we set our chemists to work to concentrate the food elements to fit the container.

Tests of the new concentrate show *identical* food values in the smaller container. The new container still makes one full quart of standard formula.

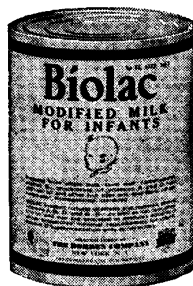
Biolac still provides all nutritional

needs of the young infant except vitamin C. The price remains the same.

Change in Formula-Making Directions

For standard formulas the new, more concentrated Biolac should be *diluted with 1½ parts water* (instead of using equal parts of Biolac and water).

For detailed information write to Borden's Prescription Products Division, 350 Madison Avenue, New York 17, N. Y.



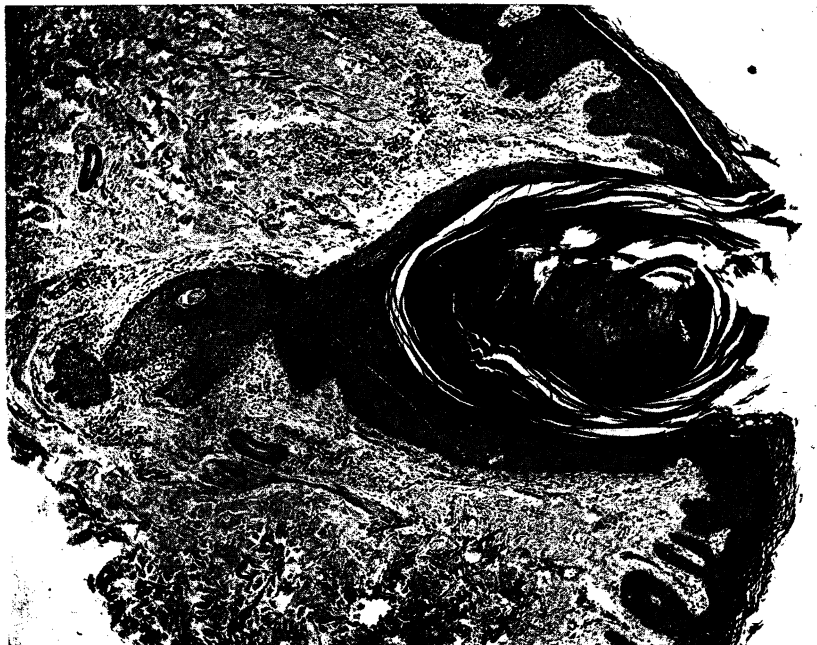
NO LACK IN BIOLAC

Borden's complete infant formula



Biolac is prepared from whole milk, skim milk, lactose, vitamin B₁, concentrate of vitamins A and D from cod liver oil, and ferric citrate. Evaporated, homogenized, sterilized.

★ Photographs from
"The AVITAMINOSES"
1941 . . . courtesy,
The Williams & Wilkins
Co., Baltimore, Maryland.



THE MANIFESTATIONS OF VITAMIN A DEFICIENCIES

The gross papular eruption of the skin is due to hyperkeratosis of the hair follicle. The accompanying photographs show advanced stages of vitamin A deficiency. Other evidences of this deficiency include nutritional night blindness, xerophthalmia, keratomalacia, and possibly decreased resistance of the body to infection. Other evidences of vitamin A deficiency have been proposed but are not yet definitely established. The early signs of vitamin A deficiency are not readily determined. Two tests are available for this detection. They include tests for loss of adaption to dim light and more recently, determination of vitamin A in the blood.

Vitamin A deficiency may be anticipated when patients are on limited or reducing diets, among

faddists, cases of hyperthyroidism (thyroxine is supposedly antagonistic to vitamin A), in severe infections, chronic diarrhea, biliary duct obstruction, and celiac disease. The importance of normal fat metabolism for absorption of carotene (precursor of vitamin A), is well recognized. Therefore persons on low fat diets or whose gall bladder has been removed are especially likely to develop a deficiency. Mineral oil *inhibits absorption of carotene*.

Although justification does not exist for calling vitamin A the "anti-infective vitamin," the administration of vitamin A helps establish resistance of the body to infections in general when there has been an exhaustion of body reserves of the vitamin, and the ingestion of vitamin A is inadequate.



Where these deficiencies are present prescribe I.V.C. Preparations

I. V. C. Vitamin A therapy, along with the use of other vitamins as the physician deems necessary, have been found effective remedial measures for the pathologic conditions listed. I. V. C. makes available to the profession, specific Vitamin products for definite pathologic conditions and Vitamin mixtures for general therapy.

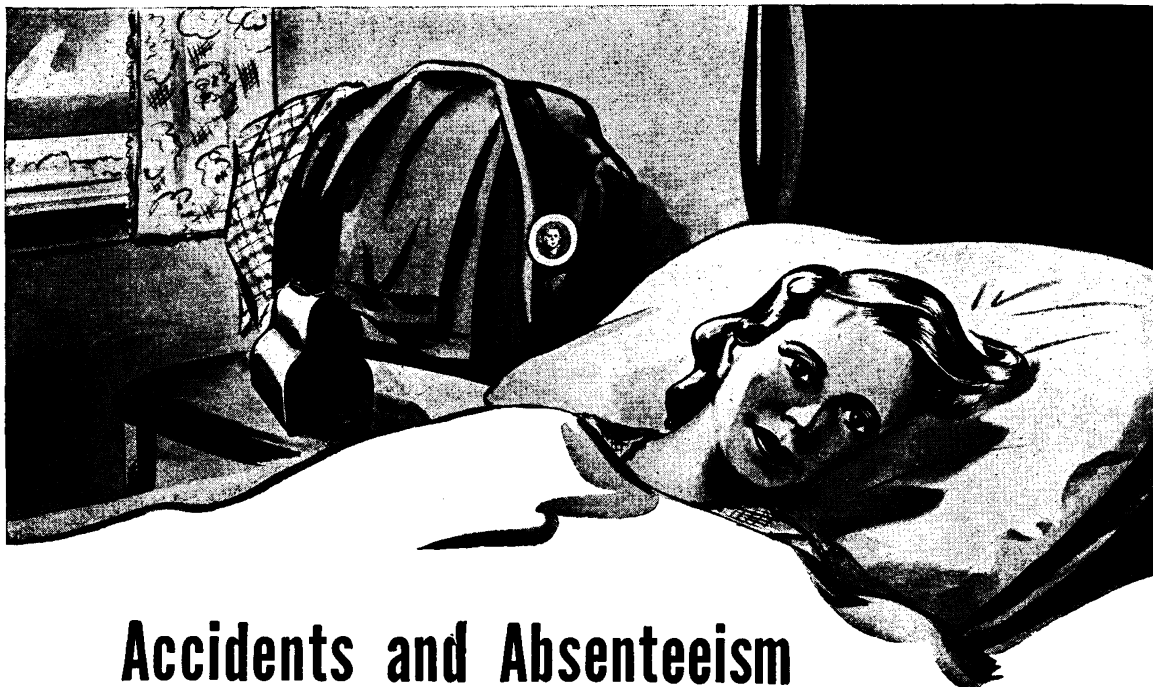
I. V. C. confines its efforts exclusively to the production of ethical Vitamin preparations. Quality is guaranteed, cost to your patients substantially lower. Booklet and samples sent to physicians writing on their prescription blanks or letterheads.

INTERNATIONAL VITAMIN CORPORATION

"THE HOUSE OF VITAMINS"

50 EAST 42nd ST., NEW YORK CITY
CHICAGO • LOS ANGELES





Accidents and Absenteeism

ACCIDENTS contribute to absenteeism. In women — particularly the conscientious middle-aged who try to stay on the job — the nervous symptoms associated with the menopause may directly affect their efficiency, and contribute to accidents of one kind or another.

For women in the menopause who require estrogenic therapy, the Squibb Laboratories supply *natural* estrogenic substance, Amniotin in Oil, and the *synthetic* estrogen, Diethylstilbestrol.

Physicians who prefer natural estrogens will find the vial packages of Amniotin in Oil very practical and economical. The three potencies which are available (20,000, 10,000 and 2,000 I.U. per cc.) offer a range suited to various patients. The vaccine-type cap permits the withdrawal of a dose of just the size to meet the patient's needs.

The lower cost and convenience of Squibb Diethylstilbestrol Tablets appeal to many busy physicians who are realizing more and more

that the side effects of the synthetic estrogen are generally merely temporary, and that after a few days many patients gain tolerance to the drug so that they can take the tablets without discomfort and obtain the benefits afforded by oral administration.

Amniotin and Diethylstilbestrol Squibb are supplied in a variety of dosage forms for oral and hypodermic administration. Also in pessaries (vaginal suppositories).

For literature address the Professional Service Dept., 745 Fifth Avenue, New York 22, N. Y.

E·R·SQUIBB & SONS

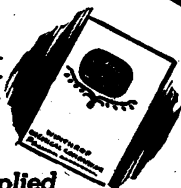
Manufacturing Chemists to the Medical Profession Since 1858

KEEP ON BUYING MORE WAR BONDS

Basis for many uses

The pharmacologic actions of Luminal have been applied with great advantage in the clinical management of a variety of conditions and disorders . . . This well established drug exerts a sedative, hypnotic, antispasmodic and anticonvulsant effect . . . The dose is only a matter of dosage . . . symptoms, as in epilepsy, of the suitable maintenance dose in individual cases.

Write for informative booklet containing detailed clinical information and helpful dosage table.



How Supplied

LUMINAL TABLETS

$\frac{1}{4}$, $\frac{1}{2}$ and $1\frac{1}{2}$ grains.

LUMINAL ELIXIR

$\frac{1}{4}$ grain per teaspoonful

LUMINAL SODIUM TABLETS

$\frac{1}{4}$, $\frac{1}{2}$ and $1\frac{1}{2}$ grains for oral use.

LUMINAL SODIUM AMPULS

2 and 5 grains for injection.

LUMINAL

Trademark Reg. U. S. Pat. Off. & Canada

Brand of
PHENOBARBITAL



Produced
WINTHROP
CHEMICAL COMPANY, INC.

Pharmaceuticals of merit for the physician

NEW YORK 13, N. Y.

WINDSOR, ONT.

AN *Effective* BARRIER



Competent clinical investigation has established the effectiveness of a properly fitted occlusive diaphragm. Attention, however, should be directed to the need of not only providing for the protection but also the comfort of the patient, in order to assure continued use of the diaphragm.

Examination of the "RAMSES"* Flexible Cushioned Diaphragm reveals that:

1. The dome is made of velvet-soft pure gum rubber. It will not induce irritation.
2. The patented rim construction provides a rubber cushion which inhibits discomfort from spring pressure and provides a broad unindented surface for contact with the vaginal walls.
3. The coil spring used in the rim is flexible in all planes permitting adjustment to muscular action.

A carefully controlled manufacturing process builds lasting qualities into the "RAMSES" Flexible Cushioned Diaphragm. With proper care it will give long service.

"RAMSES" Flexible Cushioned Diaphragms are available in sizes from 50 to 95 millimeters in gradations of 5 millimeters. They are carried in stock by all reliable pharmacies.

Complete professional information will be sent to physicians on request.

Ramses
TRADE MARK REG. U.S. PAT. OFF.

FLEXIBLE CUSHIONED DIAPHRAGM

*The word "RAMSES" is the registered trademark of Julius Schmid, Inc.

Gynecological Division
JULIUS SCHMID, INC.

Established 1883

423 WEST 53rd STREET

NEW YORK 19, N. Y.

Only the "RAMSES" has the patented rubber-cushioned rim.

Future fertility is not impaired

● The essence of planned parenthood is that temporary contraceptive measures will not interfere in any way with future fertility.

The jelly and cream methods generally are considered by authorities to have no influence upon fertility subsequent to discontinuance of use, and there are among our own experimental clinic series sufficient instances of successful planned pregnancy following Ortho-Gynol Vaginal Jelly contraception to substantiate this belief.

The conscientious physician may be assured that future fertility is not impaired by the use of Ortho-Gynol Vaginal Jelly.

Copyright 1944, Ortho Products, Inc., Linden, N. J.



ortho-gynol

VAGINAL JELLY

ACTIVE INGREDIENTS: *Ricinoleic Acid, Boric Acid, Oxyquinoline Sulfate.*



EDEMA 0.8 vs EDEMA 2.7

Rabbit Conjunctiva shows the
influence of hygroscopic agents in cigarettes*



AVERAGE EDEMA 0.8

*Average edema upon
instillation of smoke
solution from PHILIP
MORRIS CIGARETTES.*



AVERAGE EDEMA 2.7

*Average edema upon
instillation of smoke
solution from ORDI-
NARY CIGARETTES.*

CLINICAL CONFIRMATION:** When *smokers* changed
to PHILIP MORRIS, every case of irritation of the nose and throat
due to smoking cleared completely or definitely improved.

*Proc. Soc. Exp. Bio. and Med., 1934, 32, 241-245. **Laryngoscope, 1935, XLV, No. 2, 149-154.

TO THE PHYSICIAN WHO SMOKES A PIPE: We suggest an unusually fine new
blend — COUNTRY DOCTOR PIPE MIXTURE. Made by the same process as used in the
manufacture of Philip Morris Cigarettes.

THESE ARE "THE WORST"
SPRINGTIME POLLEN OFFENDERS"
THROUGHOUT THE WEST . . .

	Approximate Pollination Period (V—With the fall, on, and include)	Calif. (No. Cont)	Ariz. (No. Cont)	Nevada (No. Cont)	Ore. (No. Cont)	Texas (No. & E.)	Utah (No. Cont)	Wash. (No. Cont)
Spring—Jan.								
Acacia	Apr.							
Ash	May							
Bermuda	Nov.							
Black Walnut	May							
Box Elder	May							
Cottonwood	May							
Johnson	Sept.							
June	June							
Mt. Cedar	Feb.							
Orchard	June							
Pecan	June							
Platan	Sept.							
Red-top	Sept.							
Rye	July							
Scale	July							
Scamora	April							
Timothy	July							
Velvet	July							
Wild Oats	May							

So what?

THEY MAY NOT MEAN A
THING IN YOUR PARTICULAR
LOCALITY!

TO SIMPLIFY YOUR HAY FEVER THERAPY
...LET THE CUTTER ALLERGY STAFF
DETERMINE THE PROPER POLLENS TO USE!

Thanks to botanical research—plus Cutter's compiled case histories of patients in your locality—the Allergy Staff can almost tell what's growing outside your patients' bedroom windows. Their experience, skill and *specialization* are at your command . . . to save you time and trouble and help you provide *more certain* hay fever therapy.

Patients are rare with whom you cannot produce satisfactory results, by following this simple 1-2-3-4 routine:

- 1—Just put on the tests, with Cutter Regional Test Sets.
- 2—Record reactions on test slip provided.
- 3—Mail slip to Cutter for interpretation.
- 4—Back to you come proper Cutter Treatment Sets.

CUTTER LABORATORIES, BERKELEY, CALIF.

CUTTER POLLEN EXTRACTS

REGIONAL TEST SETS . . . made up for individual pollens, not "pollen groups," hence they reveal specific pollen offenders, including the "minor" offenders which may be "major" in your vicinity.

PRACTICAL TREATMENT PACKAGE . . . dosage may be given according to predetermined schedule, or varied according to reactions.

FRESH EXTRACTS . . . prepared each season. In glycerine and buffered saline extracting fluid, to preserve antigenic properties and to maintain constant acidity.

